

00145.US1.ST25
SEQUENCE LISTING

<110> Vogeli, Gabriel
Lind, Peter
Sejlitz, Torsten
Berthold, Malin

<120> Novel G Protein-Coupled Receptors

<130> 00145.US1

<150> 60/195,228
<151> 2000-04-06

<150> 60/251,313
<151> 2000-12-05

<160> 10

<170> PatentIn version 3.0

<210> 1
<211> 2115
<212> DNA
<213> Homo sapiens

<400> 1
ccaaaagac ccaggcagaa agacaaacct aaataagaat ctaacttctg taagaagctg 60
tgaagagtga tgctggcagc tgcccttgca gactctaact ccagcagcat gaatgtgtcc 120
tttgctcacc tccactttgc cggagggtac ctgccctctg attccagga ctggagaacc 180
atcatcccg ctccttttgtt ggctgtctgc ctgggtggct tcgtggaaa cctgtgtgtg 240
attggcatcc tccttcacaa tgcttgaaa ggaaagccat ccatgatcca ctccctgatt 300
ctgaatctca gcctggctga tctctccctc ctgctgtttt ctgcacccat ccgagctacg 360
gcgtactcca aaagtgtttt ggatcttaggc tggttgtct gcaagtcctc tgactggttt 420
atccacacat gcatggcagc caagagccctg acaatcgttg tggtgccaa agtatgcctc 480
atgtatgcaa gtgaccgc caagcaagtg agtatccaca actacaccat ctggtcagtg 540
ctgggtggcca tctggactgt ggcttagcctg ttacccttcgc cggaatggtt cttagcacc 600
atcaggcattc atgaagggtgt ggaaatgtgc ctcgtggatg taccagctgt ggctgaagag 660
tttatgtcga tggttggtaa gctctaccca ctcctggcat ttggccttcc attatttttt 720
gccagctttt atttctggag agcttatgac caatgtaaaa aacgaggaac taagactcaa 780
aatcttagaa accagatacg ctcaaagcaa gtcacagtga tgctgctgag cattgccatc 840
atctctgctc tcttggactgtt ccccgaaatgg gtagcttggc tgggtgtatg gcatctgaag 900
gctgcaggcc cggccccacc acaaggtttc atagccctgt ctcaagtctt gatgtttcc 960
atctcttcag caaatccctt cattttctt gtgatgtcgg aagagttcag ggaaggctt 1020
aaagggtgtat ggaaatggat gataacccaa aaacctccaa ctgtctcaga gtctcaggaa 1080
acaccagctg gcaactcaga gggtcttcct gacaaggttc catctccaga atccccagca 1140

00145.US1.ST25

tccataccag aaaaagagaa acccagctct ccctcctctg gcaaaggaa aactgagaag 1200
gcagagattc ccatccttcc tgacgttagag cagttttggc atgagaggga cacagtccct 1260
tctgtacagg acaatgaccc tatcccctgg gaacatgaag atcaagagac aggggaaggt 1320
gttaaataga tttaagttc aaagcaaaac aaactgttat tattgttattt acttgtactg 1380
ctgcttatca atattgctga cttaacaaac tgatataatt attaccatta ggaattataa 1440
aaatatttca caatctacac tttccaaatg tgcaatgtgg taagtagaga accatgttag 1500
aagtaataat tgtttcagaa ttagaacttg gcttccaaa caatttaagt gttgtgtaaa 1560
gatgttgctg tcaaagtgtat tagacagcct ggctattctg tcatttgc acagtggttt 1620
tactgggtac cccctaggac cagccctgta gtggaccggc tggaccctgc agtagaggtt 1680
ctgtcaaagc tgagccctt taccttcaagt ttccacccagg acctgttagt cctaatttta 1740
cctactaaat tgtatttcac ataaccaaag ctcaaaatct actttcactt gagattttta 1800
cacacattaat gataaaatttt aatgcgttct tcatttactt aataagtgtt aatttacttg 1860
atgaaaagtc cgtatcataa tgttcatgac tgaaggtcaa agaaaaagaa acagcacctt 1920
attccaatttc tggactcatt tcaagccatg gctggttctg gccaagttta aataaattca 1980
actttaaact aaagcctgct tcagtgaact ttttaaagct acctgaatga gtcttcagtt 2040
tctaagtcta agaattttag cagcttcca atgacattca gtagtctgat atggggaaaa 2100
aaaaaaaaaaaa aaaaa 2115

<210> 2
<211> 419
<212> PRT
<213> Homo sapiens

<400> 2

Met Leu Ala Ala Ala Phe Ala Asp Ser Asn Ser Ser Ser Met Asn Val
1 5 10 15

Ser Phe Ala His Leu His Phe Ala Gly Gly Tyr Leu Pro Ser Asp Ser
20 25 30

Gln Asp Trp Arg Thr Ile Ile Pro Ala Leu Leu Val Ala Val Cys Leu
35 40 45

Val Gly Phe Val Gly Asn Leu Cys Val Ile Gly Ile Leu Leu His Asn
50 55 60

Ala Trp Lys Gly Lys Pro Ser Met Ile His Ser Leu Ile Leu Asn Leu
65 70 75 80

Ser Leu Ala Asp Leu Ser Leu Leu Phe Ser Ala Pro Ile Arg Ala
85 90 95

Thr Ala Tyr Ser Lys Ser Val Trp Asp Leu Gly Trp Phe Val Cys Lys
100 105 110

Ser Ser Asp Trp Phe Ile His Thr Cys Met Ala Ala Lys Ser Leu Thr
115 120 125

00145.US1.ST25

Ile Val Val Val Ala Lys Val Cys Phe Met Tyr Ala Ser Asp Pro Ala
130 135 140

Lys Gln Val Ser Ile His Asn Tyr Thr Ile Trp Ser Val Leu Val Ala
145 150 155 160

Ile Trp Thr Val Ala Ser Leu Leu Pro Leu Pro Glu Trp Phe Phe Ser
165 170 175

Thr Ile Arg His His Glu Gly Val Glu Met Cys Leu Val Asp Val Pro
180 185 190

Ala Val Ala Glu Glu Phe Met Ser Met Phe Gly Lys Leu Tyr Pro Leu
195 200 205

Leu Ala Phe Gly Leu Pro Leu Phe Phe Ala Ser Phe Tyr Phe Trp Arg
210 215 220

Ala Tyr Asp Gln Cys Lys Lys Arg Gly Thr Lys Thr Gln Asn Leu Arg
225 230 235 240

Asn Gln Ile Arg Ser Lys Gln Val Thr Val Met Leu Leu Ser Ile Ala
245 250 255

Ile Ile Ser Ala Leu Leu Trp Leu Pro Glu Trp Val Ala Trp Leu Trp
260 265 270

Val Trp His Leu Lys Ala Ala Gly Pro Ala Pro Pro Gln Gly Phe Ile
275 280 285

Ala Leu Ser Gln Val Leu Met Phe Ser Ile Ser Ser Ala Asn Pro Leu
290 295 300

Ile Phe Leu Val Met Ser Glu Glu Phe Arg Glu Gly Leu Lys Gly Val
305 310 315 320

Trp Lys Trp Met Ile Thr Lys Lys Pro Pro Thr Val Ser Glu Ser Gln
325 330 335

Glu Thr Pro Ala Gly Asn Ser Glu Gly Leu Pro Asp Lys Val Pro Ser
340 345 350

Pro Glu Ser Pro Ala Ser Ile Pro Glu Lys Glu Lys Pro Ser Ser Pro
355 360 365

Ser Ser Gly Lys Gly Lys Thr Glu Lys Ala Glu Ile Pro Ile Leu Pro
370 375 380

Asp Val Glu Gln Phe Trp His Glu Arg Asp Thr Val Pro Ser Val Gln
385 390 395 400

Asp Asn Asp Pro Ile Pro Trp Glu His Glu Asp Gln Glu Thr Gly Glu
405 410 415

Gly Val Lys

<210> 3
<211> 406
<212> PRT
<213> Homo sapiens

<400> 3

00145.US1.ST25

Met Asn Val Ser Phe Ala His Leu His Phe Ala Gly Gly Tyr Leu Pro
1 5 10 15

Ser Asp Ser Gln Asp Trp Arg Thr Ile Ile Pro Ala Leu Leu Val Ala
20 25 30

Val Cys Leu Val Gly Phe Val Gly Asn Leu Cys Val Ile Gly Ile Leu
35 40 45

Leu His Asn Ala Trp Lys Gly Lys Pro Ser Met Ile His Ser Leu Ile
50 55 60

Leu Asn Leu Ser Leu Ala Asp Leu Ser Leu Leu Phe Ser Ala Pro
65 70 75 80

Ile Arg Ala Thr Ala Tyr Ser Lys Ser Val Trp Asp Leu Gly Trp Phe
85 90 95

Val Cys Lys Ser Ser Asp Trp Phe Ile His Thr Cys Met Ala Ala Lys
100 105 110

Ser Leu Thr Ile Val Val Val Ala Lys Val Cys Phe Met Tyr Ala Ser
115 120 125

Asp Pro Ala Lys Gln Val Ser Ile His Asn Tyr Thr Ile Trp Ser Val
130 135 140

Leu Val Ala Ile Trp Thr Val Ala Ser Leu Leu Pro Leu Pro Glu Trp
145 150 155 160

Phe Phe Ser Thr Ile Arg His His Glu Gly Val Glu Met Cys Leu Val
165 170 175

Asp Val Pro Ala Val Ala Glu Glu Phe Met Ser Met Phe Gly Lys Leu
180 185 190

Tyr Pro Leu Leu Ala Phe Gly Leu Pro Leu Phe Phe Ala Ser Phe Tyr
195 200 205

Phe Trp Arg Ala Tyr Asp Gln Cys Lys Lys Arg Gly Thr Lys Thr Gln
210 215 220

Asn Leu Arg Asn Gln Ile Arg Ser Lys Gln Val Thr Val Met Leu Leu
225 230 235 240

Ser Ile Ala Ile Ile Ser Ala Leu Leu Trp Leu Pro Glu Trp Val Ala
245 250 255

Trp Leu Trp Val Trp His Leu Lys Ala Ala Gly Pro Ala Pro Pro Gln
260 265 270

Gly Phe Ile Ala Leu Ser Gln Val Leu Met Phe Ser Ile Ser Ser Ala
275 280 285

Asn Pro Leu Ile Phe Leu Val Met Ser Glu Glu Phe Arg Glu Gly Leu
290 295 300

Lys Gly Val Trp Lys Trp Met Ile Thr Lys Lys Pro Pro Thr Val Ser
305 310 315 320

Glu Ser Gln Glu Thr Pro Ala Gly Asn Ser Glu Gly Leu Pro Asp Lys
325 330 335

Val Pro Ser Pro Glu Ser Pro Ala Ser Ile Pro Glu Lys Glu Lys Pro
340 345 350

00145.US1.ST25

Ser Ser Pro Ser Ser Gly Lys Gly Lys Thr Glu Lys Ala Glu Ile Pro
355 360 365

Ile Leu Pro Asp Val Glu Gln Phe Trp His Glu Arg Asp Thr Val Pro
370 375 380

Ser Val Gln Asp Asn Asp Pro Ile Pro Trp Glu His Glu Asp Gln Glu
385 390 395 400

Thr Gly Glu Gly Val Lys
405

<210> 4
<211> 18
<212> DNA
<213> Homo sapiens

<400> 4
tttctgqaqc ttatqacc

<210> 5
<211> 20
<212> DNA
<213> Homo sapiens

<400> 5
attctggaga tggAACCTTG

<210> 6
<211> 25
<212> DNA
<213> *Homo sapiens*

<400> 6
ttacttggatt ccgttgtttcc atttg

<210> 7
<211> 25
<212> DNA
<213> H

<400> 7

<210> 8
<211> 20
<212> DNA
<213> Human

<400> 8
.....transient

<210> 9
<211> 20
<212> DNA
<213> Homo sapiens

<400> 9
tgcgtggggg gatggactgt

00145.US1.ST25

<210> 10
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Peptide substrate

<400> 10

Ala Pro Arg Thr Pro Gly Gly Arg Arg
1 5